th	Contents 7	Reference to last Measurement 8

Bill No. 1st and Final

M. A. R. 57 (Rule 116)
Measurement Book

No. B 256118

Serial No. BR 228/31-07-14

Name of Work Improvements to Roads and drains at Nandanam Residency in ward No. ⑥ From ..... To .....

Name of Contractor of nature of Agency K.R.I.D.L

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Work code No: 006-14-000033						
	Work order No: 430/13-14						
	Est Amt: 20.00 lakhs						
	Date of Recording: 8.7.2014						
	1) Earth work excavation by manual means in hard soil involving an average horizontal upto 2m and an average ele complete						
	Drilling of drain	2	30.00	0.45	0.45	12.15	
	CR①	2	30.00	0.45	0.30	8.10	
		2	30.00	0.45	0.25	5.24	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	CR ①	2	30.00	0.45	0.35	9.45	
		2	30.00	0.45	0.45	12.15	
		2	30.00	0.45	0.30	8.10	
		2	24.00	0.45	0.45	9.72	
	CR ③	2	25.80	0.45	0.30	6.97	
		2	35.50	0.45	0.45	14.38	
	CR ④	2	30.00	0.45	0.35	9.45	
		2	13.90	0.45	0.45	5.63	
	CR ⑤	2	30.00	0.45	0.30	8.10	
		2	23.90	0.45	0.45	9.68	
	CR ⑥	2	29.00	0.45	0.45	11.75	
Bermcutting	CR ①	2	30.00	1.20	0.20	14.40	
		2	30.00	0.90	0.20	10.80	
		2	23.30	1.30	0.25	15.15	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	CR ②
	CR ⑥
	CR ⑦
	CR ⑧

Contents	Reference to last Measurement
7	8
9.45	
12.15	
8.10	
9.72	
6.97	
14.38	
8.45	
5.63	
8.10	
8.68	
11.75	
14.40	
10.80	
15.15	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 256119

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	CR (2)	2	30.00	1.30	0.30	23.40	
		2	30.00	0.90	0.20	10.80	
		2	30.00	1.35	0.25	20.25	
		2	24.00	0.90	0.30	12.96	
		2	25.80	1.30	0.20	15.48	
	CR (5)	2	35.50	0.90	0.20	12.78	
	CR (7)	2	30.00	0.90	0.30	16.20	
		2	13.90	1.30	0.25	9.04	
	CR (8)	2	30.00	1.25	0.30	22.50	
		2	23.90	0.90	0.25	10.76	
		2	29.00	1.20	0.25	17.40	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	5) Scarifying existing stone metal layer upto 75 mm thick along with their bituminous surface picking up scarified materials and stacking of old serviceable material with lead as complete.						
	CR ④	1	30.00	$\frac{(4.7+4.8)}{2}$	–	144.00	
		1	30.00	$\frac{(4.9+5.4)}{2}$	–	154.50	
		1	23.30	$\frac{(5.4+5.0)}{2}$	–	121.16	
	CR ⑤	1	30.00	$\frac{(5.1+7.1)}{2}$	–	183.00	
		1	30.00	$\frac{(7.1+5.6)}{2}$	–	190.50	
		1	30.00	$\frac{(5.6+5.4)}{2}$	–	165.00	
		1	30.00	$\frac{(5.4+5.2)}{2}$	–	159.00	
		1	25.80	$\frac{(5.2+5.4)}{2}$	–	136.74	

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Serial No. .....
Name of Work ..... From
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	CR ③	1
	CR ⑦	1
		1
	CR ⑧	1
		1
	CR ⑨	1
		1

pth 6	Contents 7	Reference to last Measurement 8
75mm thick along with materials and stacking		
–	144.00	
–	154.50	
–	121.16	
–	183.00	
–	190.50	
–	165.00	
–	159.00	
–	136.74	

M. A. R. 57 (Rule 116)

Measurement Book

No. B 256122

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	CR ③	1	35.50	$\frac{(4.9+5.4)}{2}$	–	182.83	
	CR ④	1	30.00	$\frac{(5.2+4.5)}{2}$	–	145.50	
		1	13.90	4.50	–	62.55	
	CR ⑧	1	30.00	$\frac{(4.7+4.9)}{2}$	–	144.00	
		1	23.90	$\frac{(4.9+5.2)}{2}$	–	120.70	
	CR ⑨	1	30.00	$\frac{(4.8+5.1)}{2}$	–	148.50	
		1	13.00	$\frac{(5.1+5.2)}{2}$	–	66.95	
						2117.50 Rm	1,54,133.00

8/7/14. @ 72.75/Rm

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Measurement continued on 18.7.2014.						
6)	providing laying spreading and compacting graded stone aggregates to wet mix macadam specification including premixing the material with water at site in mechanical mix plant carriage etc complete						
	CR①	1	30.00	$\frac{(4.7+4.8)}{2}$	0.20	28.80	
		1	30.00	$\frac{(4.8+5.4)}{2}$	0.20	30.90	
		1	23.30	$\frac{(5.4+5.0)}{2}$	0.20	24.23	
	CR②	1	30.00	$\frac{(5.1+7.1)}{2}$	0.20	36.60	
		1	30.00	$\frac{(7.1+5.6)}{2}$	0.20	38.10	
		1	30.00	$\frac{(5.6+5.4)}{2}$	0.20	33.00	
		1	30.00	$\frac{(5.4+5.2)}{2}$	0.20	31.80	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	CR③
	CR⑦
	CR⑧
	CR⑤

BOOK

ns		Contents	Reference to last Measurement
adth 5	Depth 6	7	8
ou;	18.7.2014.		
uelling	Crushed stone aggregates		
ing	premixing the material with		
amiage	etc complete		
+4.8) / 2	0.20	28.80	
+5.4) / 2	0.20	30.90	
+5.0) / 2	0.20	24.23	
-7.1) / 2	0.20	36.60	
+5.6) / 2	0.20	38.10	
+5.4) / 2	0.20	33.00	
+5.2) / 2	0.20	31.80	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 256123

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		1	25.80	(5.2+5.4)/2	0.20	27.35	
	CR ③	1	35.50	(4.9+5.4)/2	0.20	36.37	
	ZR ⑦	1	30.00	(5.2+4.5)/2	0.20	29.10	
		1	13.80	4.50	0.20	12.51	
	CR ⑧	1	30.00	(4.7+4.9)/2	0.20	28.80	
		1	23.80	(4.9+5.2)/2	0.20	24.14	
	CR ⑨	1	30.00	(4.8+5.1)/2	0.20	29.70	
		1	13.00	(5.1+5.2)/2	0.20	13.39	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						423.50 sq	
						@ 1121.04/sq	474760=00
							18/7/14
	Measurement continued on: 28.7.2014						
7)	Cleaning the existing WBM road surface including removing of binding material and other foreign matter with wire brushes and small picks, sweeping with broom etc complete.						
	Qty vide Item No: (5)					2117.50 sq	
						@ 10.53/sq	22287=00
8)	providing and applying primer coat from 12.2 to 14.6 kgs per 10 sqm for surfaces of high porosity over prepared surface of granular base with cut back MC 70 or any other bitumen etc complete						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
9)	providing and laying 100-120 TPH batch type hour using using crushed
	CR-①
	CR②

T BOOK

nsions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
		423.50 Cum	
		@ 1121.04/Cum	474760=00
			18/7/14
ou: 28.7.2014			
urface including removing &			
atter with wire brushes and small			
lete.			
e Item No: ⑤		2117.50 Sqm	
		@ 10.53/Sqm	22287=00
ad from 12.2 to 14.6 kgs per 10 sqm			
epared surface & granular base			
itumen etc complete			

M. A. R. 57 (Rule 116)
Measurement Book

No. B 256124

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		Qty vide Item No:			(05)	2117.50 Sqm	
					@	142.07/Sqm	300833=00
9)	providing and laying semi dense bituminous concrete 25 mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using using crushed etc complete						
	CR ①	1	30.00	$\frac{(4.7+4.9)}{2}$	0.025	3.60	
		1	30.00	$\frac{(4.9+5.4)}{2}$	0.025	3.86	
		1	23.30	$\frac{(5.4+5.0)}{2}$	0.025	3.03	
	CR ②	1	30.00	$\frac{(5.1+7.1)}{2}$	0.025	4.58	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	$\frac{(7.1+5.6)}{2}$	0.025	4.76	
		1	30.00	$\frac{(5.6+5.4)}{2}$	0.025	4.13	
		1	30.00	$\frac{(5.4+5.2)}{2}$	0.025	3.98	
		1	25.80	$\frac{(5.2+5.4)}{2}$	0.025	3.42	
	CR (3)	1	35.50	$\frac{(4.8+5.4)}{2}$	0.025	4.57	
	CR (7)	1	30.00	$\frac{(5.2+4.5)}{2}$	0.025	3.64	
		1	13.80	4.50	0.025	1.56	
	CR (8)	1	30.00	$\frac{(4.7+4.9)}{2}$	0.025	3.60	
		1	23.90	$\frac{(4.9+5.2)}{2}$	0.025	3.02	
	CR (5)	1	30.00	$\frac{(4.8+5.1)}{2}$	0.025	3.71	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	C&F
10)	lead for disposal of debris including loading and u

BOOK

adth 5	Depth 6	Contents 7	Reference to last Measurement 8
$\frac{+5.6}{2}$)	0.025	4.76	
$\frac{+5.4}{2}$)	0.025	4.13	
$\frac{+5.2}{2}$)	0.025	3.98	
$\frac{+5.4}{2}$)	0.025	3.42	
$\frac{+5.4}{2}$)	0.025	4.57	
$\frac{+4.5}{2}$)	0.025	3.64	
.50	0.025	1.50	
$\frac{1+4.9}{2}$)	0.025	3.60	
$\frac{9+5.2}{2}$)	0.025	3.02	
$\frac{8+5.1}{2}$)	0.025	3.71	

M. A. R. 57 (Rule 116)

Measurement Book

No. B 256125

Serial No.

Name of Work From To

Name of Contractor of nature of Agency

Date of commencement of work

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	C&FC Mayurbhanj	1	13.00	$\frac{5.1+5.2}{2}$	0.025	1.67	
	C&FC Angul 23/7/2014					52.84 cum	
						@ 9981.36/cum	528413=00
10)	lead for disposal of debris shall be payable at carriage rates by mechanical means including loading and unloading etc complete						
	Qty vide Item No. ①					339.28 cum	
						@ 72.71/cum	24669=00
							1784073=00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
							196248=00
	Add KRIDL charges @ 11%.						19841=00
	Add Third party inspection charges @ 1%						19,98,162=00
							19,89,72/=
	Certificate:						
	certified that the work done is satisfactorily.						
							28/7/14

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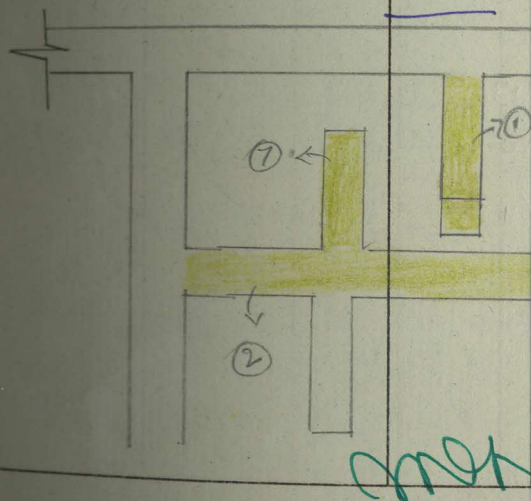
Serial No. .....
Name of Work ..... From.
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	Sketch showing	



MEASUREMENT BOOK

Bill No 1st and Final

Serial No. BR-231/31-

Name of Work Improvements to R

Name of Contractor of nature of Agency

Date of commencement of work

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ 198321=00 ಗಳನ್ನು ಪಾವ್ತಿ ಮಾಡಿಸಿ: ಇದರಲ್ಲಿ ರೂ 295164=00 ಹಿಂಪಾವತಿ ಮಾಡಿಕೊಂಡು ಉಳಿದ ಮೊಬಲಗು ರೂ 96857=00 ಚೆಕ್ ಮುಖಾಂತರ ನೀಡಬೇಕಾಗಿದೆ ಲೆಕ್ಕಾಧೀಕ್ಷಕರು ವ್ಯವಹಾರಗಳ ವಿಭಾಗ ಬೃ. ಬೆ. ಪಾ	IT KS FR CW CBR Ky Pen Tot	34606 79213 11889 19803 1980 37613 2000 295164 =				

Work code No: 006-

Work order No: 398

Est Amt: 30.00

1) Earth work excavation horizontal throw upto leveled and sides cu Delilling of drains CR